

FORM PTO-1390 (Modified)  
(REV. 10-2003)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

062020-1800

U.S. APPLICATION NO. (IF KNOWN)

10/518188

INTERNATIONAL APPLICATION NO.  
PCT/US03/19290

INTERNATIONAL FILING DATE  
19 June 2003 (19.06.2003)

PRIORITY DATE CLAIMED  
19 June 2002 (19.06.2002)

TITLE OF INVENTION

ADSORBENTS, METHODS OF PREPARATION, AND METHODS OF USE THEREOF

APPLICANT(S) FOR DO/EO/US:

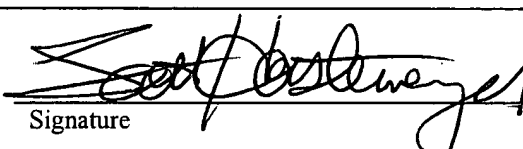
Mark G. White, Alexei V. Iretskii, Scott Jeffrey Weigel, Robert Ling Chiang, and Jeffrey Richard Brzozowski

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau
  - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 1.54(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: **Notification of Transmittal of IPER with Amended Specification and IPER with Amended Specification.**

U.S. APPLICATION NO. (if known) <b>10/518188</b>		INTERNATIONAL APPLICATION NO. <b>PCT/US03/19290</b>		ATTORNEY'S DOCKET NO.: <b>062020-1800</b>	
21. The following fees are submitted:				<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
<input checked="" type="checkbox"/> a) Basic national fee	<b>\$300.00</b>			<b>\$300.00</b>	
<input checked="" type="checkbox"/> b) Examination fee	<b>\$200.00</b>			<b>\$200.00</b>	
<input type="checkbox"/> c) Search Fee	<b>\$500.00</b>			<b>\$500.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$1000.00</b>			<b>\$1000.00</b>
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 pages (excluding sequence listing or computer program listing filed in an electronic medium). The fee is <b>\$250.00</b> for each additional 50 sheets of paper or fraction thereof.				<b>\$00.00</b>	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		X \$250.00	<b>\$00.00</b>	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				<b>\$</b>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	20 - 20 =	0	x \$50.00	<b>\$00.00</b>	
Independent claims	3 - 3 =	0	x \$200.00	<b>\$00.00</b>	
Multiple Dependent Claims (check if applicable).			<b>\$360.00</b>	<b>\$00.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$00.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<b>\$</b>	
<b>SUBTOTAL =</b>				<b>\$1000.00</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<b>\$00.00</b>	
<b>TOTAL NATIONAL FEE =</b>				<b>\$1000.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) <b>\$40.00</b> per property				<b>\$00.00</b>	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$1000.00</b>	
				Amount to be refunded	<b>\$</b>
				Amount to be charged	<b>\$</b>
a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclose. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____. A duplicate copy of this sheet is enclosed. d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.					
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
<b>Scott A. Horstemeyer</b> <b>Thomas, Kayden, Horstemeyer &amp; RISLEY, L.L.P.</b> 100 Galleria Parkway, Suite 1750 Atlanta, Georgia 30339  (770) 933-9500 (Phone) (770) 951-0933 (Fax)			<div style="text-align: center;">           Signature       </div> <div style="text-align: center;"> <b>Scott A. Horstemeyer</b>          Name       </div> <div style="text-align: center;"> <b>34,183</b>          Registration Number       </div> <div style="text-align: center;"> <b>December 16, 2004</b>          Date       </div>		

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENTS

In re: **White, et al.**

10/518188

Filing Date: December 16, 2004

DT01 Rec'd PCT/PTO 16 DEC 2004

Serial No.: TBA

For: **Adsorbents, Methods of Preparation, and Methods of Use Thereof**

**CERTIFICATE OF EXPRESS MAIL**

Mail Stop PCT (DO/EO/US)  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

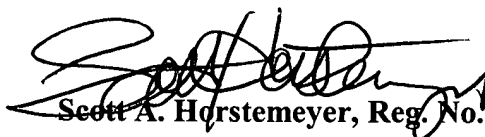
Sir:

Enclosed for filing in the above case are the following documents:

Return Postcard  
Transmittal Letter to the US Designated Office  
(DO/EO/US) (2 Pages)  
Copy of Notification of Transmittal of IPER with Amended  
Specification and IPER with Amended Specification  
Preliminary Amendment  
Information Disclosure Statement  
Form PTO-1449  
Power of Attorney (5 Pages)  
Declaration of Inventorship (2 Pages)  
Credit Card Payment form in the Amount of \$1000.00

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

  
Scott A. Horstemeyer, Reg. No. 34,183


THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.  
100 Galleria Parkway, Suite 1750  
Atlanta, Georgia 30339  
(770) 933-9500

Docket No: **062020-1800**

I hereby certify that all correspondences listed above are being deposited for delivery to the above addressee, with the United States Postal Service "**EXPRESS MAIL POST OFFICE TO ADDRESSEE**" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # **EV 505166990 US**.

Date: December 16, 2004

  
Julie Campbell